

BI-WEEKLY PROGRESS REPORT NO. 20

**OLD ROOSEVELT FIELD CONTAMINATED GROUNDWATER AREA SITE
REMEDIAL ACTION - PHASE 2, GROUND WATER TREATMENT SYSTEM CONSTRUCTION
GARDEN CITY, NASSAU COUNTY, NEW YORK**

Prepared for:
U.S. Environmental Protection Agency
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EPA Work Assignment No.	: 023-RARA-02PE
EPA Region	: 2
Contract No.	: EP-W-09-002
CDM Federal Programs Corporation	
Document No.	: 3320-023-01281
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Date Prepared	: February 29, 2012

Bi-Weekly Progress Report No. 20

Phase 2 – Ground Water Treatment System Construction

1.0 Introduction

Pursuant of the Work Assignment Form (WAF) Statement of Work (SOW), for Region 2 Contract EP-W-09-002 Work Assignment 023-RARA-02PE, CDM Federal Programs Corporation (CDM) is performing the Phase 2 (Groundwater Treatment System Construction) Remedial Action (RA) at the Old Roosevelt Contaminated Groundwater Area Site. The Bi-Weekly Progress Report is intended to partially fulfill the requirements specified under WAF SOW for this assignment. This Bi-Weekly report is prepared for the work performed from December 12, 2011 to December 23, 2011.

The work performed during this reporting period includes: continuation of the initial testing program, heating system installation, site surveying, internet and phone installation in the treatment building, and process system finishing. This work is summarized in further detail below. A list of the supporting documentation attached with this bi-weekly progress report is as follows:

- Attachment 1 - CDM's Daily Status Reports
- Attachment 2 - CDM's Field Log Book Notes
- Attachment 3 - Photo Log

2.0 Personnel On-Site

The following personnel were on site during this reporting period:

CDM - Contractor

Dante Porzilli	Project Engineer
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Arrowhead Contracting Inc (ACI) – Subcontractor

Doug Ronk	Project Manager
Joe Cotter	Site Superintendent
Matt Swope	Construction Foreman
Greg Wallace	ACI Owner/Design Engineer

JK Electric – ACI Subcontractor

Jim Kilkullen	Supervisor
Mike Kilkullen	Foreman

GMA – ACI Subcontractor

Chris Schlick
Matt Kirshak
Joe Caggran

MLS Surveyors – ACI Subcontractor

Joseph Pike
Vincent Aquino
John Gregory

Verizon – ACI Subcontractor

Victor Lopez
Mike Pritscher

Long Island Power Authority (LIPA)

3.0 Summary of Work Performed

The following is a brief summary of the field activities performed during this reporting period (refer to Attachments 1, 2, and 3 for Daily Status Report, log book notes, and photo log, respectively for each working day):

- Initial Testing Program (ITP)
 - The ITP was continued and remains in progress. Process water and air samples were collected in accordance with the ITP sampling plan.
 - The ITP was temporarily suspended upon receiving lab results indicating an exceedance of the discharge to surface water criteria during the onset of the ITP. This issue is described in detail and was resolved as discussed in Section 4.0.
 - The ITP was temporarily suspended for several short periods due to PLC-instrumentation communication errors. These issues are described in detail and were resolved as discussed in Section 4.0.
- Electrical
 - JK Electric installed backup lighting in the treatment building.
 - JK Electric investigated the cause of excess voltage inside the treatment building and determined that LIPA was supplying electricity outside of specifications. LIPA investigated the excess voltage coming into the treatment plant and made adjustments offsite to restore the signal to within the specifications.
- Internet Installation
 - Verizon landed wires on the site and completed the hookup of internet and phone lines in the treatment building.
- Heating System
 - GMA installed the ductwork and the heating system in the treatment building.
- Process System Finishing
 - Steve Lucas worked remotely with ACI to continue programming the PLC.
 - ACI grouted the bases of the process pumps to their respective concrete pads.
 - A pitot tube was installed in the air stripper effluent stack to measure air flow rate.
- Site Work
 - MLS continued the as-built site survey.
 - The ACI field trailer was removed from the site.
 - ACI completed synoptic water levels on the site.
- Health and Safety
 - A tailgate H&S meeting was conducted each day before the start of work activities.

- Material Deliveries
 - 20,000 gallon FRAC tank

4.0 Problems/Corrective Action

The ITP was temporarily suspended upon receiving lab results indicating an exceedance of the discharge to surface water criteria during the onset of the ITP. The system was troubleshooted and it was determined that the blower damper was incorrectly set.

CDM directed Arrowhead to store the effluent during re-startup of the ITP and collect the samples to confirm the sample results are below the discharge criteria. Arrowhead, mobilized 20,000 gallon FRAC tank onsite, re-started the system after opening the damper to full position and collected the effluent samples for off-site analysis. Effluent sample results were reviewed by CDM and all the parameters were noted to be below the discharge permit criteria. Subsequently, CDM directed Arrowhead to start the ITP for additional 14 days. The FRAC tank was removed from the site.

The ITP was temporarily suspended for several short periods due to PLC-instrumentation communication errors. Errors were observed at the air stripper level transducer, P-2, and the VFDs for the extraction well pumps. These issues were temporarily fixed by resetting the system and/or adjusting the circuit breakers. It was subsequently determined that LIPA was supplying excess voltage to the treatment building that may have caused some of the electrical issues. LIPA repaired the electrical service to the site and the majority of the electrical issues ceased.

5.0 Deviations

Due to operational issues, the automatic flow control valves on the extraction well headers have not been in service for the ITP. Therefore, the process system pumps are cycling to accommodate for non-uniform flow through the system. The valves are scheduled to be inspected and repaired during the first week of January, 2012.

6.0 Conclusions

The ITP is currently in progress, and construction progress continues at a moderate pace. All work has been completed in a professional and safe manner.

ATTACHMENT 1
DAILY STATUS REPORT

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 12-12-11

Day Monday

WEATHER: Cloudy

TEMP: 30/45 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: Dante Porzilli			
Arrowhead: Doug Ronk, Joe Cotter, Matt Swope			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
1130	Jim Kilcullen	JK Electric	Electrical
1130	Mike Kilcullen	JK Electric	Electrical
EQUIPMENT IN USE: personnel			
TL-250 Skid Steer – not used Articulated man-lift (1) – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
JK Electric worked on the backup lighting in the treatment building office.			
ACI troubleshooted the treatment system due to discharge exceedance - ITP temporarily suspended. ACI believes the damper on the air stripper was set too far closed and was preventing adequate air flow and stripping of VOCs. The damper was adjusted and a pitot tube was installed in the air stripper exhaust pipe to measure the differences in velocity based on damper position. Upon attempting to start the system in recirculation mode, the pump was unable to recirculate the water. The check valve in the recirculation was suspected to be the cause of the issue. The recirculation piping was cut to remove the check valve – upon inspection, the check valve was operating properly. The recirculation piping was reinstalled with a flange.			
WORK BEING INSPECTED:			
N/A			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: Daily Safety Tailgate meeting held.
TESTING PERFORMED: ITP temporarily suspended.
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: Due to an exceedance of the discharge criteria, the ITP was temporarily suspended while problem is evaluated.
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 12-13-11

Day Tuesday

WEATHER: Sunny

TEMP: 34/46 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: Dante Porzilli			
Arrowhead: Doug Ronk, Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE: personnel			
TL-250 Skid Steer – not used Articulated man-lift (1) – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
ACI moved equipment from the trailers to the treatment building to prepare for trailer removal from the site. ACI grouted pumps P-1 and P-2.			
Adler Tanks delivered a 20,000 gallon FRAC tank to the site. All water is to be pumped to the FRAC tank while the performance of the air stripper is being assessed.			
Verizon was onsite and landed wires on the site. Verizon is to return to complete the final hookup on Monday 12/19/11.			
ACI continued to troubleshoot the treatment system. It is believed that P-2 is not operating at full capacity due to a communication error between the PLC and the VFD.			
WORK BEING INSPECTED:			
N/A			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: Daily Safety Tailgate meeting held. Featured Topic: Chemical Resistant Aprons
TESTING PERFORMED: ITP temporarily suspended.
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: Due to an exceedance of the discharge criteria, the ITP was temporarily suspended while problem is evaluated.
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**

251 Clinton Road
Garden City, New York

Date: 12-14-11

Day Wednesday

WEATHER: Mostly Sunny

TEMP: 36/45 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: Dante Porzilli			
Arrowhead: Doug Ronk, Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE: personnel			
TL-250 Skid Steer – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
ACI moved equipment from the trailers to the treatment building to prepare for trailer removal from the site.			
ACI and Steve Lucas (remotely) troubleshooted the system to fix P-2. It was discovered that the PLC was not communicating with P-2's VFD correctly and was thus not enabling P-2 to run at the power necessary to recirculate water from the air stripper effluent back to the influent tank. The problem was resolved.			
ACI collected samples (in accordance with the ITP schedule for Day 4) to demonstrate the VOC removal capability of the treatment system while operating with the blower's damper in the correct position. ACI hooked up piping from the influent tank drain to the FRAC tank with a small pump in line. ACI drained the water that had previously been sitting in the air stripper and the influent tank into the FRAC tank. ACI then started the system in recycle mode and immediately collected a sample from the air stripper effluent to prevent sampling water that has been stripped multiple times.			
WORK BEING INSPECTED:			
N/A			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: Daily Safety Tailgate meeting held. Featured Topic: Hearing Protection
TESTING PERFORMED: ITP temporarily suspended.
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: Due to an exceedance of the discharge criteria, the ITP was temporarily suspended while problem is evaluated.
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 12-15-11

Day Thursday

WEATHER: Cloudy

TEMP: 46/54 deg F

WIND: Moderate

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: Dante Porzilli			
Arrowhead: Doug Ronk, Joe Cotter, Greg Wallace			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE: personnel			
TL-250 Skid Steer – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
ACI began performing synoptic water levels.			
ACI re-collected samples from yesterday due to noted flaws in the sampling procedure. Yesterday's sample was collected from a port that may have yielded potentially stagnant water, and the air stripper was not fully drained prior to sampling. Therefore, all water in the system was fully drained into the FRAC tanks, and samples were re-collected with newly extracted water after it had passed through the air stripper (prior to recirculation).			
WORK BEING INSPECTED:			
N/A			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: Daily Safety Tailgate meeting held. Featured Topic: Inhalation Hazards
TESTING PERFORMED: ITP temporarily suspended.
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: Due to an exceedance of the discharge criteria, the ITP was temporarily suspended while the problem is evaluated.
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 12-16-11

Day Friday

WEATHER: Partly Cloudy

TEMP: 34/52 deg F

WIND: Moderate/Strong

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: Dante Porzilli			
Arrowhead: Joe Cotter, Matt Swope			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE: personnel			
TL-250 Skid Steer – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
ACI completed the synoptic water levels.			
The ITP was resumed at approximately 14:45 pm upon receipt of lab results indicating that adjustments to the treatment system operation have achieved effluent concentrations below the discharge criteria. Prior to 14:45 pm, the system was run in recirculation mode.			
WORK BEING INSPECTED:			
N/A			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: Daily Safety Tailgate meeting held.
TESTING PERFORMED: ITP was resumed.
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: Due to an exceedance of the discharge criteria, the ITP was temporarily suspended while the problem is evaluated. The ITP was resumed at 14:45 pm.
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**

251 Clinton Road
Garden City, New York

Date: 12-19-11

Day Monday

WEATHER: Sunny

TEMP: 27/45 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: Dante Porzilli			
Arrowhead: Joe Cotter, Matt Swope			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
0900	Victor Lopez	Verizon	Internet Installation
0930	Joseph Pike	MLS	Surveyors
0930	Vinny Aquino	MLS	Surveyors
0930	John Gregory	MLS	Surveyors
1030	Mike Pritscher	Verizon	Internet Installation
1230	Chris Schlick	GMA	Heating System Installation
1230	Matt Kirshak	GMA	Heating System Installation
1230	Joe Caggran	GMA	Heating System Installation
EQUIPMENT IN USE: personnel			
TL-250 Skid Steer – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
Verizon installed internet in the treatment building including the office area and the control room.			
GMA began installation of the heating system ductwork.			
MLS continued the as-built site survey			
The ITP was temporarily delayed due to all extraction well motors triggering electrical fault alarms. The PLC and wiring were troubleshooted by ACI and Steve Lucas (remotely) and it was determined via current/voltage measurements that the circuit breaker trip setpoints for the extraction wells were too low. The setpoints for current and voltage were set to the maximum allowable settings as specified for the pumps. The ITP was resumed at 13:00. Process sampling was performed in accordance with day 6 of the ITP.			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

WORK BEING INSPECTED: N/A
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: Daily Safety Tailgate meeting held.
TESTING PERFORMED: ITP in progress.
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: The ITP was temporarily delayed due to all extraction well motors triggering electrical fault alarms. The PLC and wiring were troubleshooted by ACI and Steve Lucas (remotely) and it was determined via current/voltage measurements that the circuit breaker trip setpoints for the extraction wells were too low. The setpoints for current and voltage were set to the maximum allowable settings as specified for the pumps. The ITP was resumed at 13:00.
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**

251 Clinton Road
Garden City, New York

Date: 12-20-11

Day Tuesday

WEATHER: Cloudy/Light Rain

TEMP: 37/45 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: Dante Porzilli			
Arrowhead: Joe Cotter, Matt Swope			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
1030	Jim Kilcullen	JK Electric	Electrical
EQUIPMENT IN USE: personnel			
TL-250 Skid Steer – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
<p>The ITP continued – Steve Lucas remotely worked with ACI to continue programming. During this effort it was noted that the UPS was not functioning properly and that the voltage in the outlet to the UPS was above the specified limits. The system was temporarily shut down at approximately 0900 to ensure that excess voltage would not damage other treatment system components while the electrical issues were investigated. The system was restarted when electrical issues were resolved at approximately 1400, and samples were collected in accordance with day 7 of the ITP.</p> <p>JK Electric investigated the electrical current and voltage at numerous points in the treatment plant, and determined that the grid was supplying an excess amount electricity.</p> <p>LIPA investigated the electrical current and voltage at the treatment plant and made adjustments offsite to restore the site electrical signal to within 5% of the specifications.</p>			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

WORK BEING INSPECTED: N/A
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: Daily Safety Tailgate meeting held.
TESTING PERFORMED: ITP in progress.
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: The ITP was temporarily suspended between 0900 and 1400 to investigate electrical issues. The ITP was resumed upon resolution of the electrical issues.
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 12-21-11

Day Wednesday

WEATHER: Partly Sunny

TEMP: 33/37 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: Dante Porzilli			
Arrowhead: Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
0715	Matt Kirshak	GMA	Heating System Installation
0700	Chris Schlick	GMA	Heating System Installation
EQUIPMENT IN USE: personnel			
TL-250 Skid Steer – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
The ITP was continued. Sampling was performed in accordance with day 8 of the ITP.			
ACI continued to configure the treatment system working with Steve Lucas remotely.			
GMA continued installation of the ductwork and heating system.			
WORK BEING INSPECTED:			
N/A			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: Daily Safety Tailgate meeting held. Featured Topic: Ladder Safety
TESTING PERFORMED: ITP in progress.
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 12-22-11

Day Thursday

WEATHER: Mostly Sunny

TEMP: 51/58 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: Dante Porzilli			
Arrowhead: Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE: personnel			
TL-250 Skid Steer – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
The ITP was continued without issues. Sampling was performed in accordance with day 9 of the ITP.			
ACI continued to configure the treatment system working with Steve Lucas remotely. ACI installed shelving in the treatment building.			
WORK BEING INSPECTED:			
N/A			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: Daily Safety Tailgate meeting held.
TESTING PERFORMED: ITP in progress.
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 12-23-11

Day Friday

WEATHER: Mostly Sunny

TEMP: 33/37 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: No personnel onsite			
Arrowhead: Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE: personnel			
TL-250 Skid Steer – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
The ITP was continued without issues. Sampling was performed in accordance with day 10 of the ITP.			
WORK BEING INSPECTED:			
N/A			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
Daily Safety Tailgate meeting held.			
TESTING PERFORMED:			
ITP in progress.			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

ATTACHMENT 2
FIELD LOGBOOK NOTES

12/12/11

Cloudy

30/45°F

D. Porzilli

- 1000 DP of CDM onsite. Doug Rank, Joe Cotter, and Matt Swope of ACI already onsite. Working to fix treatment system after exceedance discharge noted Fri night. ACI believes the Air Stripper damper was set too far shut and reduced stripping functionality. A pitot tube was installed to measure velocity and evaluate change in CFM when moving damper. System was attempted to start in recycle mode but check valve appears to be stuck and not allowing flow-through.
- 1100 The heating system contractor was briefly onsite to evaluate the work needed.
- 1110 Offsite - Heating system Contractor
- 1130 JK Electric onsite to work on backup lighting in the office of the treatment building.
- 1210 JK Electric offsite.
- 1445 AS Recycle pipe cut and check valve examined no blockage noted. A flange was installed to reconnect the cut pipe.
- 1600 Joe Cotter & Matt Swope offsite
- 1640 DP offsite

D. Porzilli 12/12/11

12/13/11

D. Porzilli

Sunny

34/46°F

- 0730 DP of CDM onsite. Joe Cotter of ACI already onsite.
- ~~0830~~ ^{DP 12/12/11} 0830 Doug Rank of ACI onsite
- 0845 Equipment Rental company removed the man lift from the site. ACI cleaning out trailers
- 1035 Adler Tanks delivers a 20,000 gallon FRAC tank to the site. Waiting on connectors to influent tank to begin pumping. Due to discharge exceedance, all water will be pumped to the frac tank while Air Stripper performance is assessed and sampling is performed for verification.
- 1330 Verizon onsite
- 1415 Verizon offsite. Wires were landed and final hookup to be completed Monday.
- Joe Cotter offsite to pick up fittings and hose needed to run water into the FRAC tank.
- 1600 Doug Rank Grouts Pumps P-1 & P-2
- 1630 Site work for day complete. DP offsite

D. Porzilli

12/14/11

Mostly Sunny
39/45°F

D. Porzilli

0740 DP of CDM onsite. Joe Cotter and Doug Renk of ACI already onsite.

0830 Poland Spring onsite to pick up water coolers from the trailers. ACI is cleaning out trailers to prepare for pickup.

0850 Doug Renk troubleshoots system with Steve Lucas. P2's VFD is not communicating properly with the PLC, and the issues are fixed.

1130 Influent tank attached to hose and pump to drain recirculated water into the FRAC tank. Water currently in the treatment system is drained to the greatest extent possible prior to AS testing and sampling later today.

1300 "AF-111214," "EFF-111214," "INF-111214," "TB-111214," sampled

1530 Greg Wallace of ACI onsite

1440 All personnel offsite

D. Porzilli 12/14/11

12/15/11

D. Porzilli

Cloudy
46/54°F

0740 DP of CDM onsite. Doug Renk, Joe Cotter, and Greg Wallace of ACI onsite. ITP still temporarily suspended, waiting on lab results from yesterday's sampling.

~~DP 12/15/11~~ System running in recycle mode

0815 Doug Renk offsite

0830 Joe Cotter performs synoptic water levels onsite.

1430 Greg Wallace reviews ACI's sampling and determines they took yesterday's Air Stripper effluent sample from a port that may contain stagnant water. Also, the air stripper was not fully drained before sampling yesterday.

1500 Thomas Matthew via telephone calls for immediate resampling. The Influent tank and Air Stripper are fully drained into the FRAC Tank. The influent tank is refilled from the extraction wells and samples are collected immediately as water exits air stripper to prevent recirculation.

1700 "AF-111215," "EFF-111215," "INF-111215," and "TB-111215" sampled

1800 DP & Joe Cotter offsite

D. Porzilli 12/15/11

12/16/11

Partly Cloudy

34/52 °F

D. Porzilli

- 0745 DP of CDM onsite. Joe Cotter and Matt Swape of ACI already onsite. Joe performing synoptic water levels, Matt ordering supplies and working on punchlist items. The system is currently operating in Recirculation Mode as lab results from yesterday's sampling are waited upon.
- 1100 Synoptic water levels complete.
- 1130 Lab results received and show site contaminants below the discharge criteria. ITP to be resumed w/authorization from office.

1340 DP offsite

D. Porzilli 12/16/11

12/19/11

D. Porzilli

Sunny

27/45 °F

- 0950 DP of CDM onsite. Joe Cotter and Matt Swape of ACI already onsite working to resolve treatment plant issues - this morning the ^{extraction} pump motors will not run at full capacity. Additionally, over the weekend problems occurred - Air Stripper High-High alarm shut down system Fri night, and the PLC froze on Saturday morning. Weekend problems have temporarily been resolved by resetting the system.
- @0900 Victor Lopez of Verizon onsite
- @0930 Joseph Pike, Vinny Aquino, and John Gregory of MLS onsite for surveying
- 1030 Mike Pritscher of Verizon onsite
- 1130 " " " " offsite
- 1230 Chris Schlick, Matt Kirshak, and Joe Caggran of GMA onsite for heating system installation
- 1300 Circuit breaker trip setpoints ^{for each extraction well} were put to the maximum after consultation with Steve Lucas and voltage measurements. System was restarted successfully. Extraction well flow control valves

12/19/11

D. Porzilli

1300 (contd...) were put in "Stop" mode as they were previously not working properly. Previously during the ITP they have been set to 100% ^{open} on manual mode, yielding the same effect as "Stop" mode. A technician is to inspect/repair the valves in January.

1430 GMA offsite. Some heating ductwork was completed. GMA to return.

1440 Victor Lopez of Verizon offsite. Internet successfully installed to treatment bldg.

1500 MLS offsite.

1608 Process system sampled: "EFF-111219", "INF-111219", "TB-111219", and ~~DP-12/19/11~~

Samples from previous 2 days shipped with today's samples. 12/17/11 samples collected

@ 11:53. 12/18/11 samples collected @ 15:58

1800 all personnel offsite

D. Porzilli 12/19/11

12/20/11

D. Porzilli

Cloudy

37/45°F

0745 DP of CDM onsite. Matt Suope and Joe Cotter of ACI already onsite.

The system ran successfully through the night. ITP continued.

0830 Garden City personnel onsite for leaf removal.

0900 Joe Cotter assists Steve Lucas (working remotely) with system programming

0945 It is discovered that the UPS is not working. The outlet voltage is measured high.

~~120V as opposed to 120V as intended.~~

JK Electric called to the site. System turned off

1030 JK Electric (Jim Kilkullen) inspects circuit

12/20/11
breakers and determines that there is a problem with LIPA's power connection. LIPA is called and is to come to the site today. The system is currently left off as a precaution.

1130 JK Electric offsite

1245 LIPA onsite. Confirms that voltages are out of 5% range and goes out to service connects to fix the issue

1400 Proper electrical restored and

12/20/11

D. Porzilli

1400 (contol) system turned back on

1530 Garden City Department of Parks
finishes leaf removal and goes offsite.

1605 "Inf-111220"

1610 "EFF-111220"

@ 1159 "TB-111220"

1700 DP & all personnel offsite

D. Porzilli 12/20/11

D. Porzilli

Cloudy/Light Rain

12/21/11

46/55°F

0750 DP of CDM onsite Joe Cotter and
Matt Swope of ACI onsite as of 0715.GMA onsite as of 0715 for heating system
installation. Matt swope moving gravel
to widen the turnaround area at the
base of the driveway. Samples
collected @

TB-111221 @ 0700

INF-111221 @ 0730

EFF-111221 @ 0737

0815 Virgilio truck onsite to take the
ACI office trailer offsite. The second
trailer will remain onsite until pickup
separately

1000 Virgilio offsite

1200 Joe Cotter offsite to purchase supplies.

1400 GMA offsite.

1410 Joe Cotter returns to the site

1445 Joe Cotter offsite

1530 DP offsite

D. Porzilli 12/21/11

12/22/11

Mostly Sunny
43/54°F

D. Porzilli

0745 DP of CDM onsite Joe
Cotter of ACI onsite as of
0700. Joe Cotter collected
treatment system samples in accordance
with day 9 of the ITP:

TB-111222 @ 0700

INF-111222 @ 0735

EFF-111222 @ 0745

0900 Samples packed. Joe Cotter
works on installation of shelving in
the treatment building. Garden
City onsite as of 0800 for leaf removal
by the trailers. (Department of Parks)

1300 Garden City Dept. Parks offsite. ~~Leaves~~ DP 11/22/12

Leaves are blown into piles ready for pickup

1410 Joe Cotter working with Steve Lucas
(remotely) to configure the system.

DP of CDM offsite

D. Porzilli

ATTACHMENT 3
PHOTO LOG

Old Roosevelt Field Contaminated Groundwater Area Superfund Site

[illegible]

**Old Roosevelt Field Contaminated Groundwater Area Superfund Site
Remedial Action - Groundwater Treatment System
PHOTOS: December 12 through December 23, 2011**



Diversion of Treatment Plant Effluent to Frac Tank
IMAG0156.jpg 12/13/2011



Transfer Pump to Frac Tank
IMAG0157.jpg 12/13/2011

**Old Roosevelt Field Contaminated Groundwater Area Superfund Site
Remedial Action - Groundwater Treatment System**

PHOTOS: December 12 through December 23, 2011



Frac Tank to Contain System Effluent During Sampling

IMAG0158.jpg

12/13/2011



Heating Ducts Rising from Utility Room

IMAG0159.jpg

12/21/2011

**Old Roosevelt Field Contaminated Groundwater Area Superfund Site
Remedial Action - Groundwater Treatment System
PHOTOS: December 12 through December 23, 2011**



Heat Ducts Installed Over the Lavatory and Office

IMAG0160.jpg

12/21/2011



Removal of ACI Field Trailer

IMAG0160.jpg

12/22/2011